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**SECRET**

17 May 1955

Serial No. 220

[Redacted]

Attention:

[Redacted]

Subject: Contract No. (RD) XG-578  
Task Order No. 7

[Redacted]

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Gentlemen:

Enclosed herewith are four (4) copies of Progress Report No. 3 prepared under the subject contract task order. This report covers the period 1 February 1955 to 1 May 1955.

Very truly yours,

[Redacted Signature]

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Contract Representative

HSF:grc

Enclosures (4)

This document contains information affecting the national defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C., Sections 793 and 794. The transmission or the revelation of its contents in any manner to an unauthorized person is prohibited by law.

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PROGRESS REPORT  
NO. 3

Development of the ET-2 (Phase II) - Task 7, Pinto  
Project 3027

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PERIOD: 1 February 1955 to 1 May 1955

OBJECTIVE

The aim of this task is the production of three improved models, design information, and complete manufacturing drawings and specifications for a miniaturized electromechanical transmitter known as the ET-2.

PROGRESS

Progress during the last report period fell somewhat behind schedule. The main delay was caused by the amount of time required to design and fabricate a special printed circuit commutator. In general, the design of the ET-2 has been completed and the layout of the final unit is being made.

Tape Stepping Mechanism - During this period, a test model of the tape handling mechanism was made, and it proved to be very satisfactory. The new magnetic clutch performs very well. The final model of the tape stepping mechanism will differ slightly from this test model in that it will incorporate a number of different component parts, such as gears and dogs, made of nylon. Use of nylon components will enhance the quietness of the equipment.

Writing Head - The previous writing problems have been overcome by using a standard writing head with a special printed circuit commutator. Tests have proved this system very satisfactory. No further design problems are foreseen on this part of the equipment.

Electronic Circuitry - In general, the electronic design of the ET-2 is complete and working satisfactorily. A slight modification will be necessary to incorporate the frequency-shift keying unit (FS-1). It is felt however, that this modification will not cause any added design problems.

PLANS

It is planned to complete the drafting and fabrication of this unit and start the final testing during the next period.

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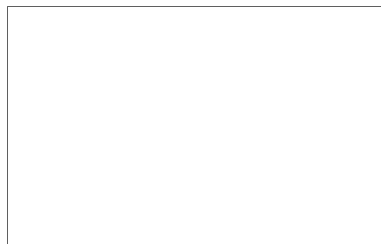
PERSONNEL

The following engineering personnel were assigned to this project during this report period.



Project Supervisor  
Electrical Engineer  
Mechanical Engineer  
Engineering Assistant

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Supervisor



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## CLASSIFIED RECEIPT FORM

155-781  
5/31Registry No.: 36729Serial No.: 220Date: 17 May 1955

TO:  25X1

FROM:   25X1

I have personally received the CLASSIFIED material as identified below. I assume full responsibility for the safe handling, storage, and transmittal elsewhere of this material in accordance with existing regulations governing the handling of CLASSIFIED material. The CLASSIFIED material, including enclosures and attachments, is identified as follows:

## CLASSIFICATION

## DESCRIPTION

**SECRET**

Letter and one copy of same from  25X1  
to Contracting Officer dated 17 May 1955,  
Serial No. 220, Subj: Contract No. (ND) XD-578  
Task Order No. 7 enclosing four (4) copies of  
Progress Report No. 3.

*Task X 6 578 Task 7*

The original copy of this receipt must be signed personally by the addressee or his duly authorized representative and returned at once to the sender.

Retain carbon copy for file.

Signed: 

For: \_\_\_\_\_

Title: \_\_\_\_\_

Date: 20 May 1955

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UPON REMOVAL OF ATTACHED DOCUMENTS, THIS RECEIPT MAY BE DOWNGRADED TO **UNCLASSIFIED**